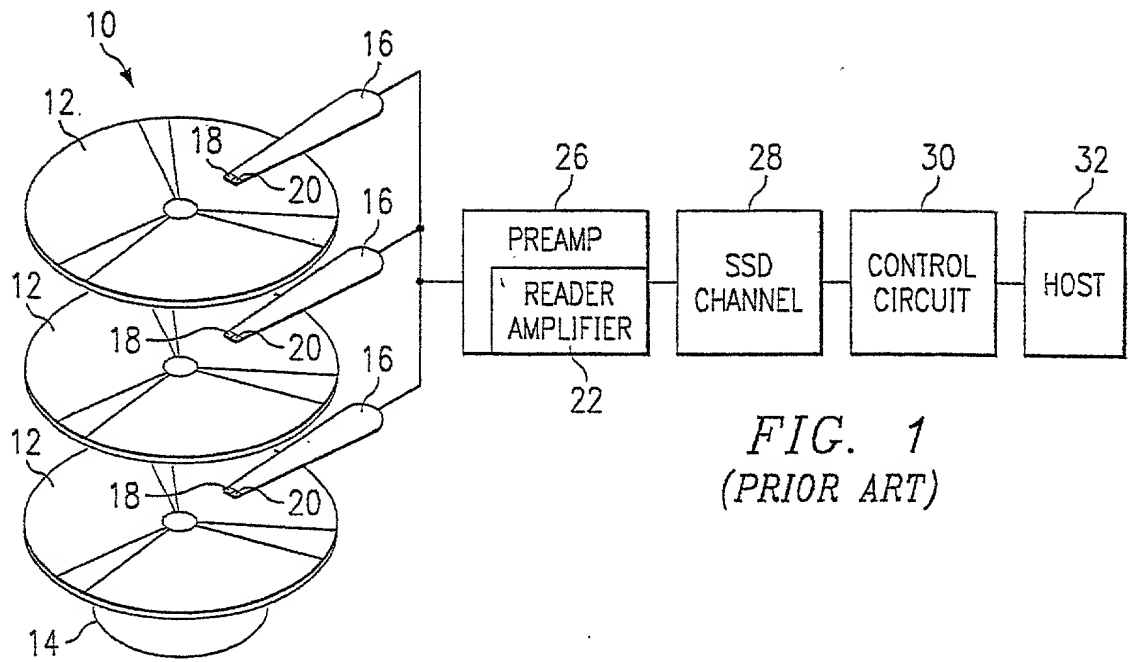


09696555.070201



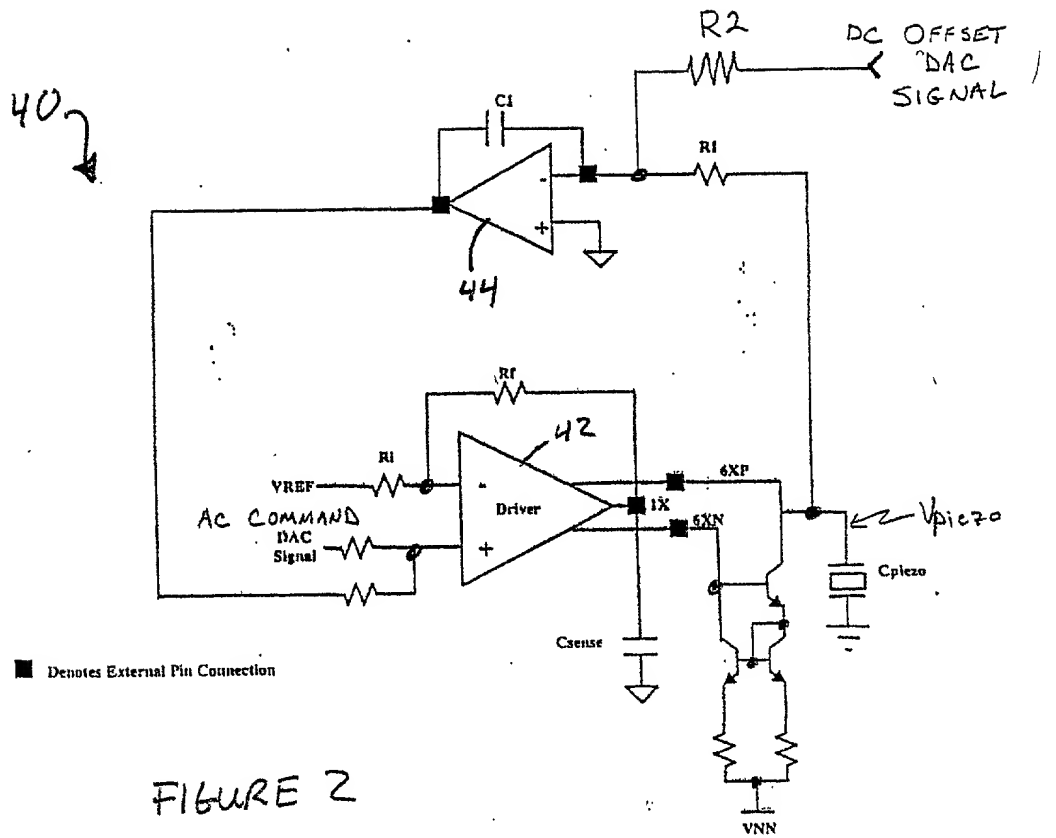


FIGURE 2

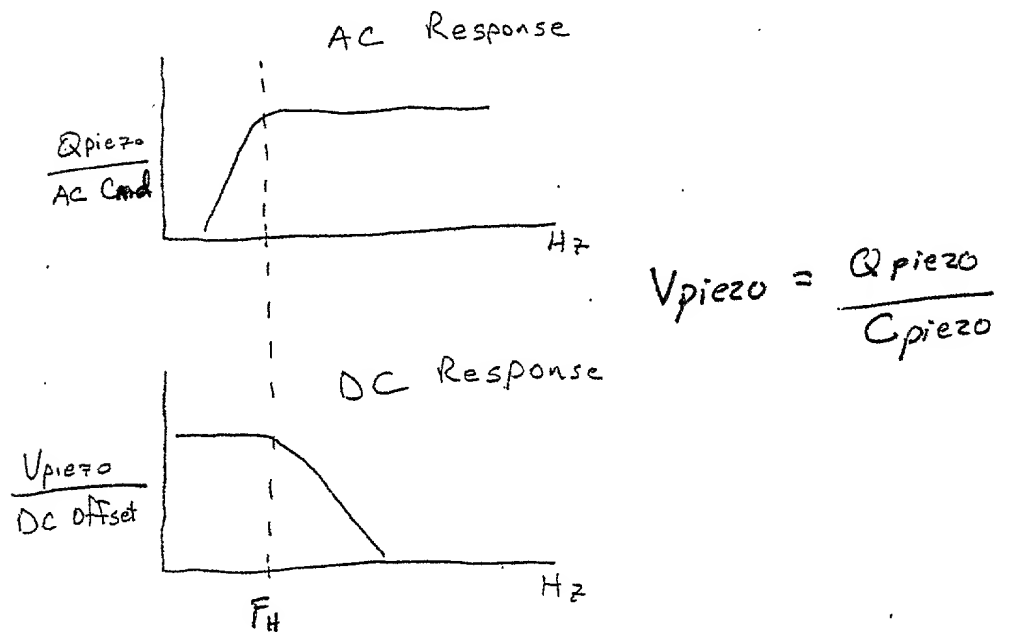


FIGURE 3

102020" 5559550

40

Proposed New Milli-actuator Solution

42

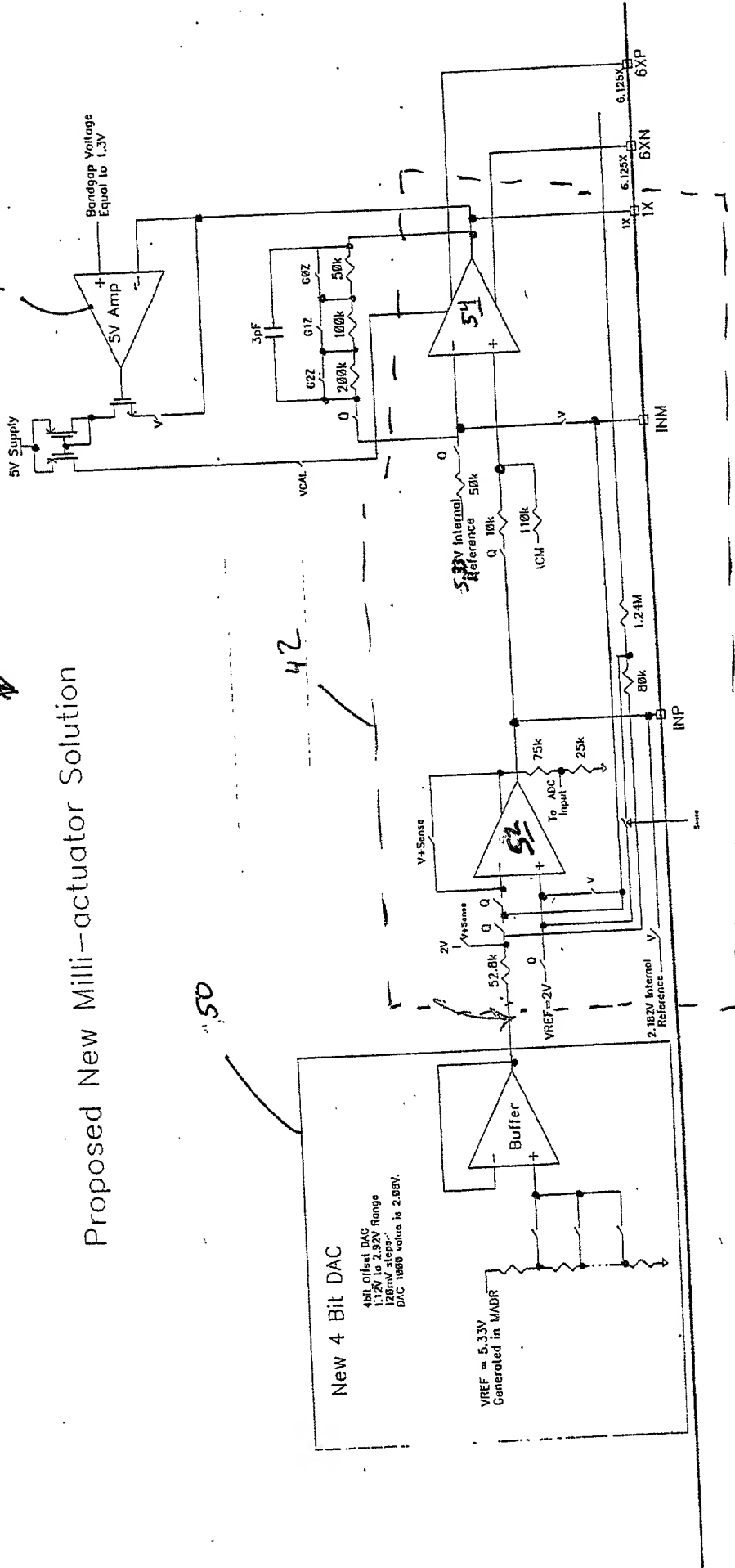


FIGURE 4

30

TRANSIENT RESPONSE

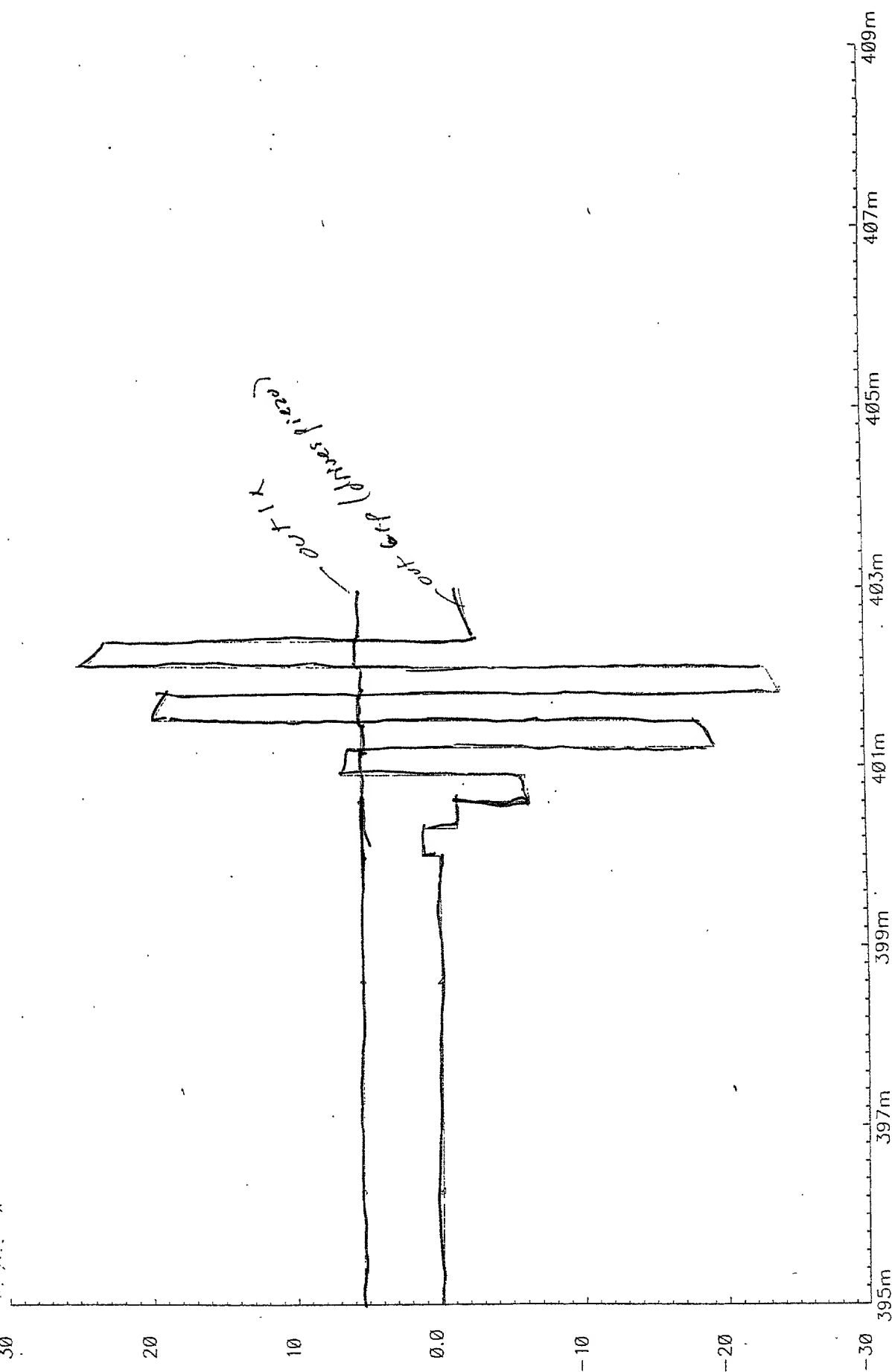


Figure 7

102020" 53535360

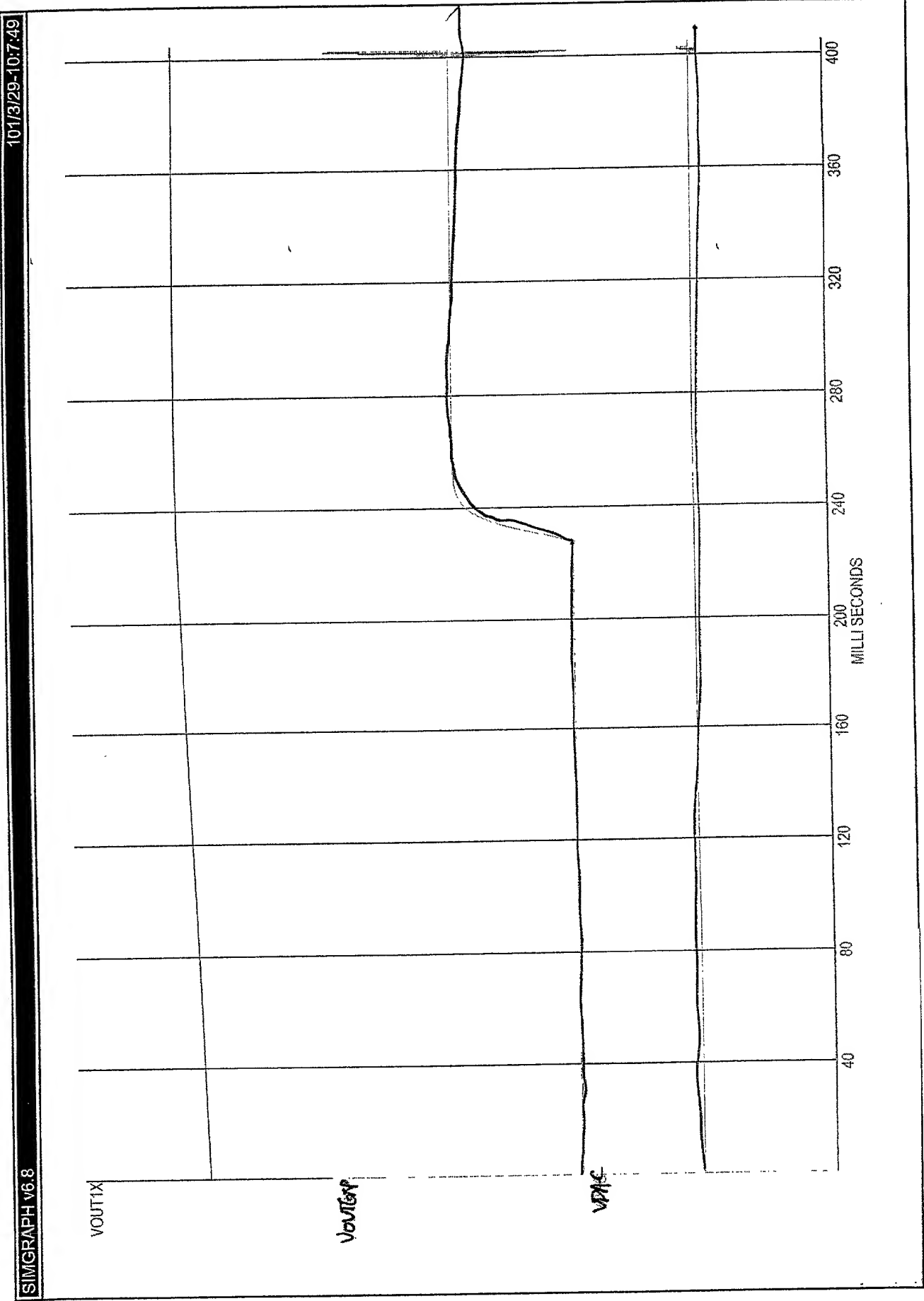


Figure 9

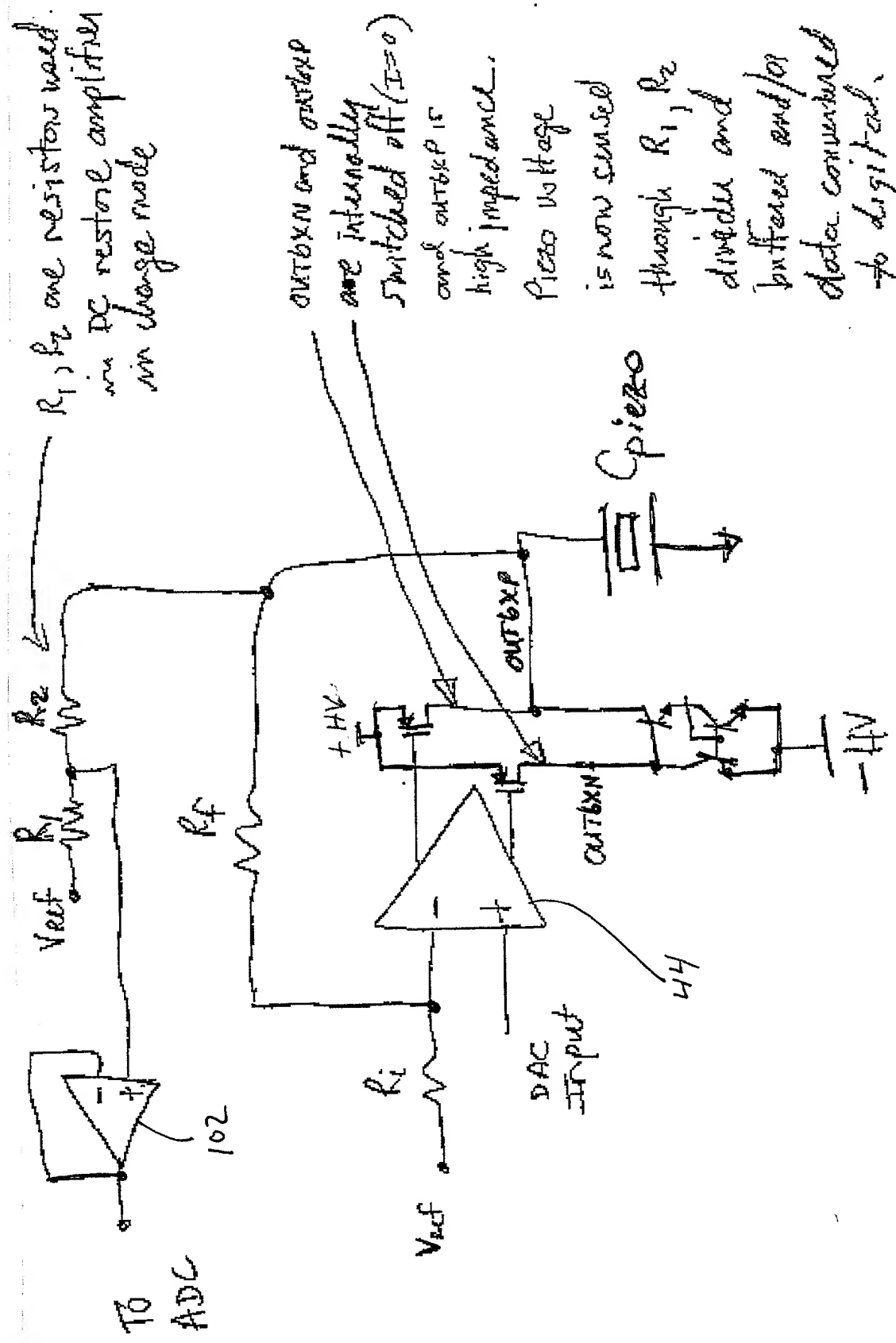


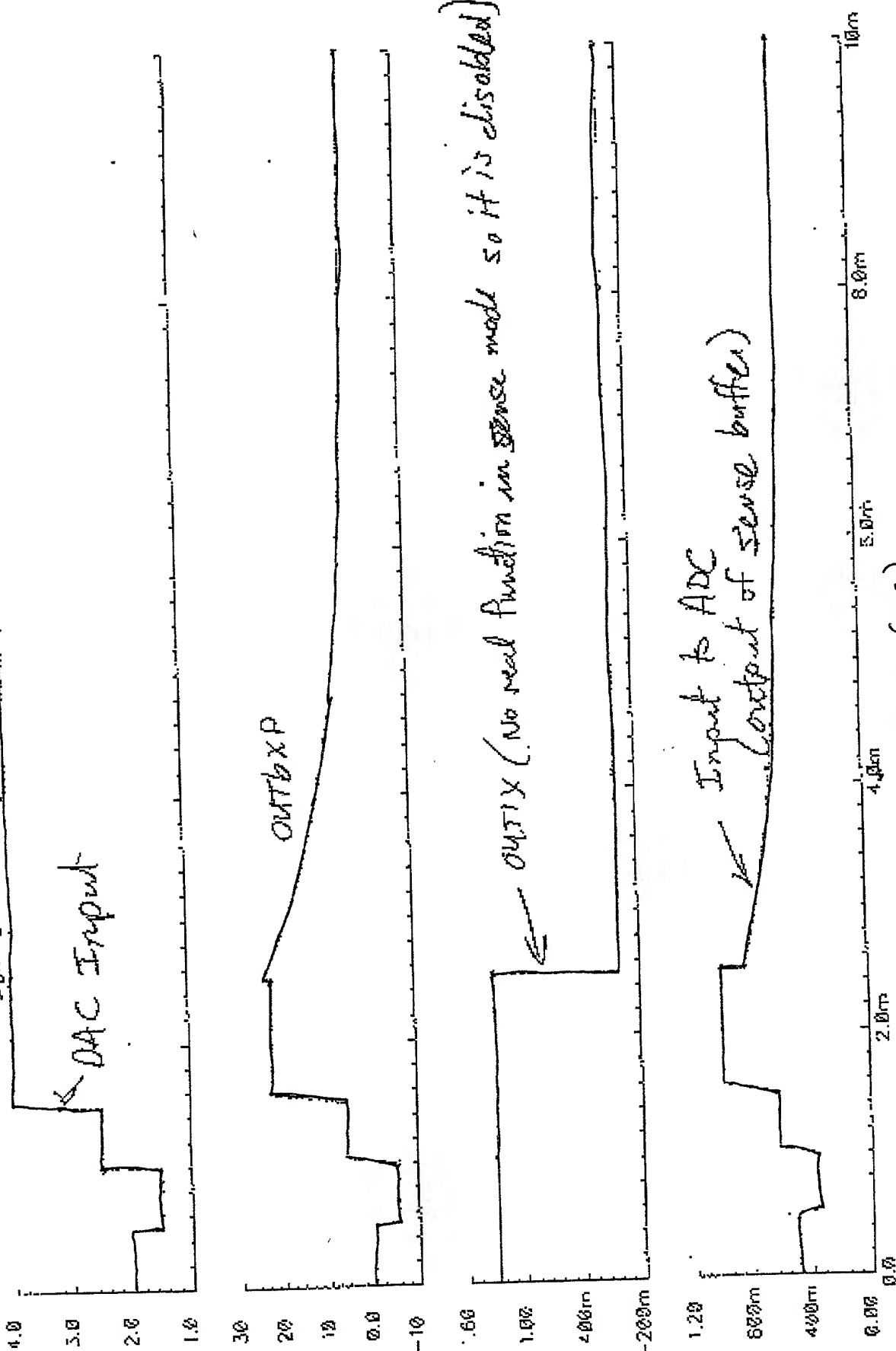
Figure 10 Voltage Mode Output Sense

R_1, R_2 are resistors used in DC restore amplifier in charge mode

OUT6XP and OUT6XP are internally switched off ($I=0$) and OUT6XP is high impedance.

Piezo voltage is now sensed through R_1, R_2 divider and buffered and for data conversion to digital.

TRANSIENT RESPONSE
 Sample Z-T-Voltage Mode - Max hold - Output Sense - High Starting Voltage



TIME (ms)

FIGURE 11

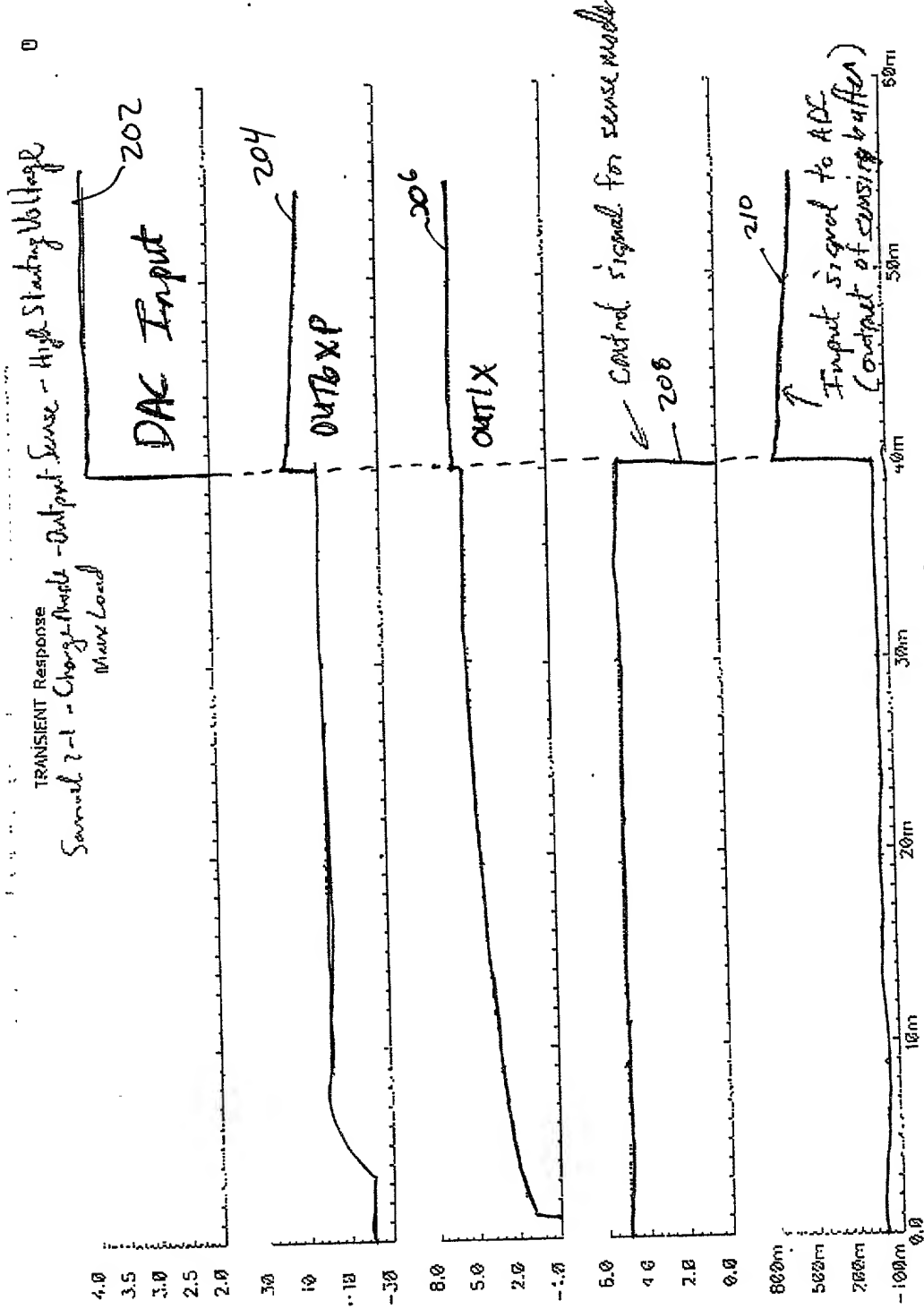


FIGURE 13

Volts